SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR PREPARING, DOCUMENTING AND REPORTING CHEMICAL PROCESS HAZARD ANALYSES

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Abstract

A process hazard analysis (PHA) is performed in a data processing system. A chemical process to be evaluated is selected, after which a study type to be performed on the chemical process is also selected.

10 The study type is conducted to evaluate the chemical process for the presence of hazard scenarios and any associated deficiencies requiring recommendations. After conducting the study, resolution plans to address the recommendations are generated. The study type used in the analysis may be customized or may be a known study type. The study type may

15 use a risk matrix to generate a risk ranking for the hazard scenario. The risk matrix used may be created by the user, or may be a known risk matrix from another study type. After a resolution plan is generated, a resolution database may also be generated.